

WHAT IS CLAIMED IS:

1. A digital broadcast receiving apparatus comprising:  
means for setting information of a digital  
broadcast program and the type of information provided  
5 in the program, in advance;  
means for receiving digital broadcast of the  
program and extracting information related to the set  
type; and  
printing means for print-outputting the extracted  
10 information.
2. A digital broadcast receiving apparatus, connected to  
printing means for print-outputting information provided  
by digital broadcasting, comprising:  
15 means for setting information of a digital  
broadcast program and the type of information provided  
in the program, in advance;  
means for receiving digital broadcast of the  
program and extracting information related to the set  
20 type;  
output means for outputting print data of the  
extracted information to said printing means.
3. A digital broadcast receiving apparatus comprising:  
25 designation means for, regarding information  
provided in a digital broadcast program, designating

print-output of said information at the next and  
subsequent broadcast times;

storage means for storing the program and the type  
of said information designated by said designation

5 means; and

means for performing print-output of information  
related to said type as to the stored program at the  
next and subsequent broadcast times.

10 4. A digital broadcast receiving apparatus, connected to  
printing means for print-outputting information provided  
by digital broadcasting, comprising:

designation means for, regarding information  
provided in a digital broadcast program, designating

15 print-output of said information at the next and  
subsequent broadcast times;

storage means for storing the program and the type  
of said information designated by said designation  
means;

20 means for outputting print data of information  
related to said type as to the stored program at the  
next and subsequent broadcast times to said printing  
means.

25 5. The digital broadcast receiving apparatus according  
to claim 3, wherein the program and the type of

information are stored into said storage means only in accordance with designation from an operator.

6. The digital broadcast receiving apparatus according  
5 to claim 4, wherein the program and the type of information are stored into said storage means only in accordance with designation from an operator.

7. The digital broadcast receiving apparatus according  
10 to claim 1, further comprising:

means for judging whether or not print-output of said information is permitted; and

means for prohibiting print-output of said information if the print-output is not permitted.

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8. The digital broadcast receiving apparatus according to claim 2, further comprising:

means for judging whether or not print-output of said information is permitted; and

20 means for prohibiting print-output of said information if the print-output is not permitted.

9. The digital broadcast receiving apparatus according to claim 3, further comprising:

25 means for judging whether or not print-output of said information is permitted; and

means for prohibiting print-output of said information if the print-output is not permitted.

10. The digital broadcast receiving apparatus according  
5 to claim 4, further comprising:

means for judging whether or not print-output of said information is permitted; and

means for prohibiting print-output of said information if the print-output is not permitted.

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11. The digital broadcast receiving apparatus according to claim 1, further comprising:

means for judging whether or not the extracted information includes an information part print-output of  
15 which is not permitted; and

means for, if said information includes the information part print-output of which is not permitted, prohibiting print-output of only the information part.

20 12. The digital broadcast receiving apparatus according to claim 2, further comprising:

means for judging whether or not the extracted information includes an information part print-output of which is not permitted; and

25 means for, if said information includes the information part print-output of which is not permitted,

prohibiting print-output of only the information part.

13. The digital broadcast receiving apparatus according to claim 3, further comprising:

5        means for judging whether or not the extracted information includes an information part print-output of which is not permitted; and

             means for, if said information includes the information part print-output of which is not permitted,  
10        prohibiting print-output of only the information part.

14. The digital broadcast receiving apparatus according to claim 4, further comprising:

             means for judging whether or not the extracted  
15        information includes an information part print-output of which is not permitted; and

             means for, if said information includes the information part print-output of which is not permitted,  
             prohibiting print-output of only the information part.

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15. The digital broadcast receiving apparatus according to claim 1, further comprising:

             means for judging whether or not said printing means is in a normal status; and

25        means for storing said information if said printing means is not in the normal status.

16. The digital broadcast receiving apparatus according to claim 2, further comprising:

means for judging whether or not said printing

5 means is in a normal status; and

means for storing said information if said printing means is not in the normal status.

17. The digital broadcast receiving apparatus according to claim 3, further comprising:

means for judging whether or not said printing

means is in a normal status; and

means for storing said information if said printing means is not in the normal status.

18. The digital broadcast receiving apparatus according to claim 4, further comprising:

means for judging whether or not said printing

means is in a normal status; and

means for storing said information if said printing means is not in the normal status.

19. A digital broadcast receiving method comprising:

a step of setting information of a digital

broadcast program and the type of information provided in the program, in advance;

a step of receiving digital broadcast of the program and extracting information related to the set type; and

a printing step of print-outputting the extracted  
5 information.

20. A digital broadcast receiving method comprising:

a designation step of, regarding information provided in a digital broadcast program, designating  
10 print-output of said information at the next and subsequent broadcast times;

a storing step of storing the program and the type of said information designated at said designation step; and

15 a step of performing print-output of information related to said type as to the stored program at the next and subsequent broadcast times.

21. A recording medium on which a computer program for  
20 receiving digital broadcast is recorded, said computer program including:

code of a step of setting information of a digital broadcast program and the type of information provided in the program, in advance;

25 code of a step of receiving digital broadcast of the program and extracting information related to the

set type; and

code of a printing step of print-outputting the  
extracted information.

- 5 22. A recording medium on which a computer program for  
receiving digital broadcast is recorded, said computer  
program including:

code of a designation step of, regarding  
information provided in a digital broadcast program,  
10 designating print-output of said information at the next  
and subsequent broadcast times;

code of a storing step of storing the program and  
the type of said information designated at said  
designation step; and

- 15 code of a step of performing print-output of  
information related to said type as to the stored  
program stored at the next and subsequent broadcast  
times.

- 20 23. A digital broadcast system having a transmitting  
apparatus for transmitting digital broadcast and a  
receiving apparatus for receiving digital broadcast,

wherein said receiving apparatus comprising:

- means for setting information of a digital  
25 broadcast program and the type of information provided  
in the program, in advance;



means for receiving digital broadcast of the  
program and extracting information related to the set  
type; and

means for outputting print data of the extracted  
5 information.

24. A digital broadcast system having a transmitting  
apparatus for transmitting digital broadcast and a  
receiving apparatus for receiving digital broadcast,

10 wherein said receiving apparatus comprising:

designation means for, regarding information  
provided in a digital broadcast program, designating  
print-output of said information at the next and  
subsequent broadcast times;

15 storage means for storing the program and the type  
of said information designated by said designation  
means; and

means for outputting print data of information  
related to said type as to the stored program at the  
20 next and subsequent broadcast times.

25 25. The digital broadcast system according to claim 23,  
wherein said transmitting apparatus separately transmits  
said information as information with print permission  
and as information without print permission,

and said receiving apparatus further comprises:

judgment means for judging whether or not said  
information is information without print permission; and  
means for prohibiting output of print data of said  
information if said information is information without  
5 print permission.

26. The digital broadcast system according to claim 24,  
wherein said transmitting apparatus separately transmits  
said information as information with print permission  
10 and as information without print permission,  
and said receiving apparatus further comprises:  
judgment means for judging whether or not said  
information is information without print permission; and  
means for prohibiting output of print data of said  
15 information if said information is information without  
print permission.

27. The digital broadcast system according to claim 23,  
wherein if said information has an information part  
20 without print permission, said transmitting apparatus  
separately transmits said information as the information  
part and another information part,  
and said receiving apparatus further comprises:  
judgment means for judging whether or not said  
25 information is information without print permission; and  
means for prohibiting output of print data of said

information if said information is information without  
print permission.

28. The digital broadcast system according to claim 24,  
5 wherein if said information has an information part  
without print permission, said transmitting apparatus  
separately transmits said information as the information  
part and another information part,

and said receiving apparatus further comprises:  
10 judgment means for judging whether or not said  
information is information without print permission; and  
means for prohibiting output of print data of said  
information if said information is information without  
print permission.

15 29. The digital broadcast system according to claim 25,  
wherein said transmitting apparatus transmits data  
related to said information as a header and a main body,  
and said header indicates whether or not print-output of  
20 said information is permitted,

and wherein said judgment means of said receiving  
apparatus reads said header and judges whether or not  
said information is information without print permission.

25 30. The digital broadcast system according to claim 26,  
wherein said transmitting apparatus transmits data

related to said information as a header and a main body,  
and said header indicates whether or not print-output of  
said information is permitted,

and wherein said judgment means of said receiving  
5 apparatus reads said header and judges whether or not  
said information is information without print permission.

31. The digital broadcast system according to claim 27,  
wherein said transmitting apparatus transmits data  
10 related to said information as a header and a main body,  
and said header indicates whether or not print-output of  
said information is permitted,

and wherein said judgment means of said receiving  
apparatus reads said header and judges whether or not  
15 said information is information without print permission.

32. The digital broadcast system according to claim 28,  
wherein said transmitting apparatus transmits data  
related to said information as a header and a main body,  
20 and said header indicates whether or not print of said  
information is permitted,

and wherein said judgment means of said receiving  
apparatus reads said header and judges whether or not  
said information is information without print permission.

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33. The digital broadcast system according to claim 27,

wherein said transmitting apparatus transmits data  
related to said information as a header and a main body,  
said main body comprising a plurality of blocks  
including blocks of said information part and blocks of  
5 said another information part, each of the blocks having  
a header indicating whether or not print-output of the  
block is permitted and a main body of the block,

and wherein said judgment means of said receiving  
apparatus reads said header of said block and judges  
10 whether or not print-output of the block is permitted.

34. The digital broadcast system according to claim 28,  
wherein said transmitting apparatus transmits data  
related to said information as a header and a main body,  
15 said main body comprising a plurality of blocks  
including blocks of said information part and blocks of  
said another information part, each of the blocks having  
a header indicating whether or not print-output of the  
block is permitted and a main body of the block,

20 and wherein said judgment means of said receiving  
apparatus reads said header of said block and judges  
whether or not print-output of the block is permitted.

35. The digital broadcast system according to claim 23,  
25 wherein said receiving apparatus is connected to  
printing means to which said print data is outputted,

and wherein said receiving apparatus further comprises:

means for judging whether or not said printing means is in a normal status; and

5 means for storing said information if said printing means is not in the normal status.

36. The digital broadcast system according to claim 24, wherein said receiving apparatus is connected to  
10 printing means to which said print data is outputted,

and wherein said receiving apparatus further comprises:

means for judging whether or not said printing means is in a normal status; and

15 storage means for storing said information if said judgment means judges that said printing means is not in the normal status.

37. A digital broadcast transmitting/receiving method  
20 including a transmission step of transmitting digital broadcast and a reception step of receiving the digital broadcast,

wherein said reception step includes:

a step of setting information of a digital  
25 broadcast program and the type of information provided in the program, in advance;

a step of receiving digital broadcast of the  
program and extracting information related to the set  
type; and

a printing step of print-outputting the extracted  
5 information.

38. A digital broadcast transmitting/receiving method  
including a transmission step of transmitting digital  
broadcast and a reception step of receiving the digital  
10 broadcast,

wherein said reception step includes:

a designation step of, regarding information  
provided in a digital broadcast program, designating  
print-output of said information at the next and  
15 subsequent broadcast times;

a storage step of storing the program and the type  
of said information designated at said designation step;  
and

a step of performing print-output of information  
20 related to the type as to the stored program at the next  
and subsequent broadcast times.

39. The digital broadcast transmitting/receiving method  
according to claim 37, wherein at said transmission step,  
25 said information is transmitted separately as  
information with print permission and information

without print permission,

and wherein said reception step includes:

a judgment step of judging whether or not said information is information without print permission; and

5 a step of prohibiting output of print data of said information if print-output is not permitted.

40. The digital broadcast transmitting/receiving method according to claim 38, wherein at said transmission step,

10 said information is transmitted separately as information with print permission and information without print permission,

and wherein said reception step includes:

a judgment step of judging whether or not said

15 information is information without print permission; and

a step of prohibiting output of print data of said information if print-output is not permitted.

41. The digital broadcast transmitting/receiving method

20 according to claim 37, wherein if said information has an information part without print permission, at said transmission step, said information is transmitted separately as the information part and another information part,

25 and said reception step includes:

a judgment step of judging whether or not said



information is information without print permission; and  
a step of prohibiting output of print data of said  
information if said information is information without  
print permission.

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42. The digital broadcast transmitting/receiving method  
according to claim 38, wherein if said information has  
an information part without print permission, at said  
transmission step, said information is transmitted  
10 separately as the information part and another  
information part,

and said reception step includes:

a judgment step of judging whether or not said  
information is information without print permission; and  
15 a step of prohibiting output of print data of said  
information if said information is information without  
print permission.

43. The digital broadcast transmitting/receiving method  
20 according to claim 39, wherein at said transmission step,  
data related to said information is transmitted as a  
header and a main body, and said header indicates  
whether or not print-output of said information is  
permitted,

25 and wherein at said judgment step in said  
reception step, said header is read and it is judged

whether or not said information is information without  
print permission.

44. The digital broadcast transmitting/receiving method  
5 according to claim 40, wherein at said transmission step,  
data related to said information is transmitted as a  
header and a main body, and said header indicates  
whether or not print-output of said information is  
permitted,

10 and wherein at said judgment step in said  
reception step, said header is read and it is judged  
whether or not said information is information without  
print permission.

15 45. The digital broadcast transmitting/receiving method  
according to claim 41, wherein at said transmission step,  
data related to said information is transmitted as a  
header and a main body, and said header indicates  
whether or not print-output of said information is  
20 permitted,

and wherein at said judgment step in said  
reception step, said header is read and it is judged  
whether or not said information is information without  
print permission.

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46. The digital broadcast transmitting/receiving method

according to claim 42, wherein at said transmission step,  
data related to said information is transmitted as a  
header and a main body, and said header indicates  
whether or not print-output of said information is  
5 permitted,

and wherein at said judgment step in said  
reception step, said header is read and it is judged  
whether or not said information is information without  
print permission.

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47. The digital broadcast transmitting/receiving method  
according to claim 41, wherein at said transmission step,  
data related to said information is transmitted as a  
header and a main body, said main body comprising a  
15 plurality of blocks including blocks of said information  
part and blocks of said another information part, each  
of the blocks having a header indicating whether or not  
print-output of the block is permitted and a main body  
of the block,

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and wherein at said judgment step in said  
reception step said header of said block is read and it  
is judged whether or not print-output of the block is  
permitted.

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48. The digital broadcast transmitting/receiving method  
according to claim 42, wherein at said transmission step,

data related to said information is transmitted as a header and a main body, said main body comprising a plurality of blocks including blocks of said information part and blocks of said another information part, each  
5 of the blocks having a header indicating whether or not  
- print-output of the block is permitted and a main body of the block,

and wherein at said judgment step in said reception step said header of said block is read and it  
10 is judged whether or not print-output of the block is permitted.

49. The digital broadcast transmitting/receiving method according to claim 37, wherein said reception step  
15 includes:

a judgment step of judging whether or not printing can be normally performed at said print step; and

a storage step of storing said information if it is judged that said printing cannot be normally  
20 performed.

50. The digital broadcast transmitting/receiving method according to claim 38, wherein said reception step includes:

25 a judgment step of judging whether or not printing can be normally performed at said print step; and

a storage step of storing said information if it  
is judged that said printing cannot be normally  
performed.